

# SCANNING DEVICE CAPABLE OF SHORT- ENING A WARM-UP TIME PERIOD

## Abstract

A scanning apparatus includes a cold cathode fluorescent lamp (CCFL), a heating light source, a timer, a photosensor for detecting light that is emitted from the CCFL and the heat light source, and a controller for controlling operations of the scanning device. The warm-up time period of the CCFL exceeds that of the heating light source. After activation, the heating light source is capable of generating more heat than the CCFL, which induces more rapid heating of the CCFL. When the time period counted by timer reaches a predetermined time, the controller turns off the heating light source and performs scanning using only the cold cathode fluorescent lamp.